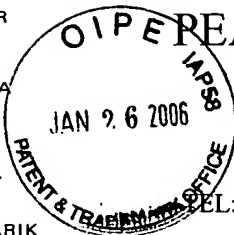


CHARLES B. GORDON  
THOMAS P. SCHILLER  
DAVID B. DEIOMA  
JOSEPH J. CORSO  
HOWARD G. SHIMOLA  
JEFFREY J. SOPKO  
JOHN P. MURTAUGH  
JAMES M. MOORE  
MICHAEL W. GARVEY  
RICHARD A. SHARPE  
RONALD M. KACHMARIK  
PAUL A. SERBINOWSKI  
BRIAN G. BEMBENICK  
AARON A. FISHMAN



# PEARNE & GORDON LLP

ATTORNEYS AT LAW  
1801 EAST 9th STREET  
SUITE 1200

CLEVELAND, OHIO 44114-3108

TEL: (216) 579-1700 FAX: (216) 579-6073

EMAIL: ip@pearnegordon.com

STEPHEN S. WENTSLE  
ROBERT F. BODI  
SUZANNE B. GAGNON  
UNA L. LAURICIA  
STEVEN J. SOLOMON  
GREGORY D. FERNENGEL  
BRYAN M. GALLO  
BRAD C. SPENCER

OF COUNSEL  
LOWELL L. HEINKE  
THADDEUS A. ZALENSKI

PATENT, TRADEMARK,  
COPYRIGHT AND RELATED  
INTELLECTUAL PROPERTY LAW

January 24, 2006

Certificate

FEB 14 2006

of Correction

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: U.S. Patent Application for  
"REACTOR COMBUSTION CONTROL METHOD AND REATOR"  
Serial No.: 10/508,929  
Filed: October 19, 2004  
Patent No.: 6,951,458  
Issue Date: October 4, 2005  
Our Docket: 37032

Sir:

In proofreading the above-referenced patent, a typographical error was noted. It is not believed that this error requires a Certificate of Correction. However, it is respectfully requested that this letter be placed in the file for this case.

The following errors were noted:

Column 6, line 57, please delete "if" and insert therefor - - 1f - -.

Respectfully submitted,

Jeffrey J. Sopko, Reg. No. 27676

JJS:vlh  
Enclosure

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

Jeffrey J. Sopko

Name of Attorney for Applicant(s)

January 23, 2006

Date

Signature of Attorney



### Best Modes for Embodying the Invention

The present invention will now be described in detail with reference to the accompanying drawings. Fig. 1 is a schematic view showing the configuration of an embodiment according to the present invention adapted to a reaction furnace for improvement testing. Referring first to Fig. 1, reference numeral 1 designates a furnace body having a furnace wall which surrounds a combustion chamber 2 therein. The furnace body 1 includes a bottom wall (furnace floor) 1a and a top wall (furnace ceiling) 1b which constitute a pair of wall portions, side walls 1c and 1d which constitute a pair of wall portions positioned in a width direction (a front-to-back direction as Fig. 1 is seen on the paper), and side walls 1e and 1f which constitute a pair of wall portions in a lateral direction (a right-to-left direction as Fig. 1 is seen on the paper).

The bottom wall (furnace floor) 1a of the furnace body 1 is supported by a support structure (not shown). The top wall (furnace ceiling) 1b of the furnace body 1 is provided fixedly with four continuous combustion type regenerative burners 3, 4, 5, 6 which respectively constitute regenerative burners of a high temperature air combustion type. A plurality of reaction pipes 7 are so arranged as to penetrate the bottom wall 1a and top wall 1b of the furnace body 1.

The continuous combustion type regenerative burners 3, 4, 5, 6 used herein are provided at the furnace wall of the furnace body 1. The continuous combustion type regenerative burners 3, 4, 5, 6 are constituted by combining first burners 3a, 4a, 5a, 6a for burning a fuel in the combustion chamber 2 and partial combustion air supply apparatuses 3b, 4b, 5b, 6b for the first